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- Phe Val Pro Asp Val Ala Gly Leu Ser Leu Ala Glu Ser Gly Gly Phe 65 70 75 80
- Val Lys Ala Pro Gly Gly Ala Pro Ala Asn Val Ala Cys Ala Ile Ala 85 90 95
- Lys Leu Gly Gly Ser Ser Ala Phe Val Gly Lys Phe Gly Asp Asp Glu 100 \$105
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- Glu Gly Cys Leu Phe Asp Lys His Ala Arg Thr Ala Leu Ala Phe Val 130 135 140
- Thr Leu Lys His Asp Gly Glu Arg Glu Phe Met Phe Tyr Arg Asn Pro 145 150 155 160
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- Lys Asp Phe Lys Gly Ser Val Pro Gly Phe Lys Val Asp Thr Val Asp 290 295 300
- Thr Thr Gly Ala Gly Asp Ala Phe Val Gly Ser Leu Leu Val Asn Val 305 310 315 320
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Tyr Gly Ser Ile Ser Leu Ile Ala Glu Pro Cys Arg Thr Ala His Leu
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Pro Thr Val Ala Gly Val Ser Leu Ala Glu Ala Pro Ala Phe Val Lys
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- Val Val Phe Asp Ala Gly Ala Arg Thr Ala Leu Ala Phe Val Thr Leu 130 135 140
- Arg Ala Asp Gly Glu Arg Glu Phe Met Phe Tyr Arg Asn Pro Ser Ala 145 150 155 160
- Asp Met Leu Leu Thr His Ala Glu Leu Asn Val Glu Leu Ile Lys Arg 165 170 175
- Ala Ala Val Phe His Tyr Gly Ser Ile Ser Leu Ile Ala Glu Pro Cys 180 185 190
- Arg Ser Ala His Leu Arg Ala Met Glu Ile Ala Lys Glu Ala Gly Ala 195 200 205
- Leu Leu Ser Tyr Asp Pro Asn Leu Arg Glu Ala Leu Trp Pro Ser Arg 210 215 220
- Glu Glu Ala Arg Thr Lys Ile Leu Ser Ile Trp Asp Gln Ala Asp Ile 225 230 235 240
- Val Lys Val Ser Glu Val Glu Leu Glu Phe Leu Thr Gly Ile Asp Ser 245 250 255
- Val Glu Asp Asp Val Val Met Lys Leu Trp Arg Pro Thr Met Lys Leu 260 265 270
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- Phe Arg Gly Ala Val Pro Ser Tyr Lys Val Gln Gln Val Asp Thr Thr 290 295 300
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Val Pro Thr Val Ser Gly Val Ser Leu Ala Glu Ala Pro Gly Phe Leu
Lys Ala Pro Gly Gly Ala Pro Ala Asn Val Ala Ile Ala Val Ser Arg
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Gly His Met Leu Ala Gly Ile Leu Lys Glu Asn Gly Val Arg Ala Asp
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Leu Arg Ala Asp Gly Glu Arg Glu Phe Met Phe Tyr Arg Asn Pro Ser
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120

180

240

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420

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720

780

900

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Leu Leu Val Thr Leu Gly Glu His Gly Ser Arg Tyr Tyr Thr Lys
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Thr Gly Ala Gly Asp Ser Phe Val Gly Ala Leu Leu Ala Lys Ile Val
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Ser Asn Ala Cys Gly Ala Ile Cys Thr Thr Lys Lys Gly Ala Ile Pro

Ala Leu Pro Thr Thr Ala Thr Ala Leu Glu Leu Ile Ser Lys Gly Ser

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Ala Ile Ala Val Thr Arg Leu Gly Gly Lys Ser Ala Phe Val Gly Lys 50 55 60

Leu Gly Asp Asp Glu Phe Gly His Met Leu Ala Gly Ile Leu Lys Thr 65 70 75 80

Asn Gly Val Gln Ala Glu Gly Ile Asn Phe Asp Lys Gly Ala Arg Thr \$85\$ 90 95

Ala Leu Ala Phe Val Thr Leu Arg Ala Asp Gly Glu Arg Glu Phe Met $100 \\ \hspace{1.5cm} 105 \\ \hspace{1.5cm} 110$

Phe Tyr Arg Asn Pro Ser Ala Asp Met Leu Leu Thr Pro Ala Glu Leu 115 120 125

Asn Leu Asp Leu Ile Arg Ser Ala Lys Val Phe His Tyr Gly Ser Ile 130 140

Val Ala Lys Glu Ala Gly Ala Leu Leu Ser Tyr Asp Pro Asn Leu Arg 165 170 175

Leu Pro Leu Trp Pro Ser Ala Glu Glu Ala Lys Lys Gln Ile Lys Ser 180 185 190

Ile Trp Asp Ser Ala Asp Val Ile Lys Val Ser Asp Val Glu Leu Glu
195 200 205

Phe Leu Thr Gly Ser Asn Lys Ile Asp Asp Glu Ser Ala Met Ser Leu 210 215 220

Trp His Pro Asn Leu Lys Leu Leu Leu Val Thr Leu Gly Glu Lys Gly 225 230 235 240

Cys Asn Tyr Tyr Thr Lys Lys Phe His Gly Thr Val Gly Gly Phe His

Val Lys Thr Val Asp Thr Thr Gly Ala Gly Asp Ser Phe Val Gly Ala 260 265 270

Leu Leu Thr Lys Ile Val Asp Asp Gln Thr Ile Leu Glu Asp Glu Ala 275 280 285

Arg Leu Lys Glu Val Leu Arg Phe Ser Cys Ala Cys Gly Ala Ile Thr 290 295 300 Thr Thr Lys Lys Gly Ala Ile Pro Ala Leu Pro Thr Ala Ser Glu Ala 305 $$ 310 $$ 315 $$ 320

Leu Thr Leu Leu Lys Gly Gly Ala 325